

## INFORMATION PAPER

### ON

## ANG F-16 COLOR DISPLAY AND DISPLAY GENERATORS

**1. Background.** The current F-16 aircraft display generator does not have sufficient processing capability to handle the existing data supplied to it from advanced components such as Situational Awareness Data Link (SADL), LINK 16, AIFF, Advanced Targeting Pods, and the new Commercial Central Interface Unit (CCIU). The current system's inability to process and display multiple sources of information in a clear and understandable manner limits pilots' situational awareness. The Color Multifunctional Display System (CMFD) consists of a color video display and color programmable display generator. This system will greatly enhance aircraft processing capability, increase pilots' situational awareness, and strengthen combat survivability and lethality. This capability is required for Software Capabilities Upgrade-6 (SCU-6) implementation planned for 2007. Unless funded, several ANG F-16 squadrons will be incapable of migrating to the latest SCU update. This will create an operational deficiency in the ANG F-16 fleet. Unmodified aircraft will not be interoperable with modified aircraft on the SADL/LINK 16 data link network.

**2. Requirement.** TAF 303-76-I/II/III-A SORD for the F-16C/D and CAF ORD 303-76-I/II/III-D F-16C/D MSIP ORD (Draft 14 Aug 00)

**3. Impacts If Not Funded.** Aircraft not modified with CMFD will be incapable of loading SCU-6 and being interoperable on the SADL/LINK 16 network.

**4. Units Impacted.**

113WG Andrews AFB, MD	147FW Ellington, TX	178FW Springfield, OH
114FW Sioux Falls, SD	148FW Duluth, MN	181FW Terre Haute, IN
115FW Truax, WI	149FW Kelly AFB, TX	183FW Springfield, IL
120FW Great Falls, MT	150FW Kirtland AFB, NM	187FW Dannelly Fld, AL
122FW Ft Wayne, IN	158FW Burlington, VT	188FW Ft Smith, AR
127WG Selfridge, MI	162FW Tucson, AZ	192FW Richmond, VA
140WG Buckley, CO	174FW Syracuse, NY	
144FW Fresno, CA	177FW Atlantic City, NJ	

**5. Contractor(s).** Modern Technology Corp (MTC), EFW, Ft Worth, TX

**6. Costs.**

Units Required	Unit Cost*	Program Cost
142 C/D-Models	\$87,484	\$12,422,728

\*Assumes 10% Spares Rate, Simulator and Trainer Integration